



## OneRemote RMB4 Converter for Beo4

Type 35105003

### Controls

## Samsung

Samsung Flat Panel TV  
All Models



## Bose

1SR Sound system



## Lava

TV Wallmount

## User Manual

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## Getting Started

With the OneRemote converter installed in your Bang & Olufsen Beo4 remote control terminal you may control your Samsung TV with this terminal. This guide explains how.

If your Beo4 has a  key, and the OneRemote converter has been optimized for your equipment setup then.....



**>> continue to the control table on page 7.**

If your Beo4 does **not** have a  key, it is a Beo4 Navi type. In the Beo4 Navi the  key has been replaced by a small joy-stick that adds further functionality, when enabled.

If your Beo4 is the Navi type and the OneRemote converter has been optimized for your equipment setup then....



**>> continue to the control table on page 8.**

If the OneRemote converter has not yet been optimized for your setup, you might want to refer to the installation section below about the initial setup and option programming. No programming is needed during everyday use.

The OneRemote converter installed in your Beo4 remote control may be used in any Beo4 generation, in the Beo4 Navi with extra functionality.

To get the most of your modified Beo4 the OneRemote converter must be programmed according to the Beo4 model and the equipment setup that your TV is a part of. Refer to page 5 and onwards for the initial programming.

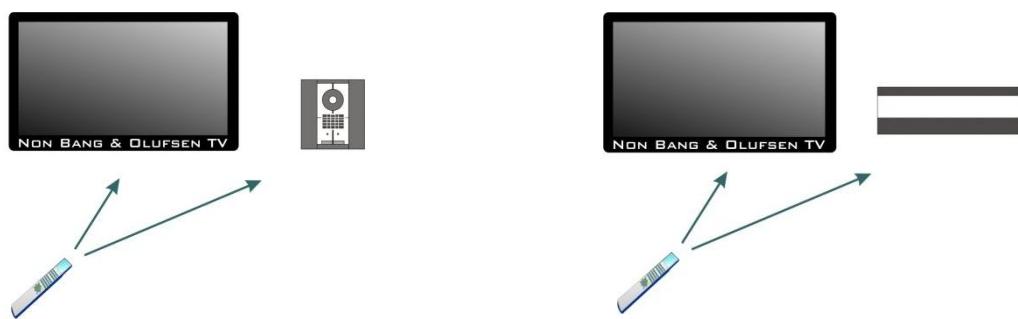
## The OneRemote Converter for the Beo4 Remote Control

The OneRemote converter is a small microcomputer module specifically designed to be installed in a Bang & Olufsen Beo4 remote control terminal.

The microcomputer is converting commands meant for Bang & Olufsen equipment to commands for third party equipment of various types.

Each OneRemote converter type is programmed to control a specific product like an Apple iPod docking station, a flat panel TV, a curtain controller etc.

The converter enables the Beo4 to control a third party device, while still being able to control any other Bang & Olufsen product.



*With a Bang & Olufsen audio master in the room it may be used for handling the TV sound. Speakers connected to an audio master are usually of a much better quality than the speakers in a flat panel TV. In a B&O link room setup with BeoLink Active you may also use the active speakers to improve sound from most TVs.*

*Only a simple audio cable is needed between the TV and the audio master. See the option programming section about AAUX and PC modes on page 9.*

## Controlling with OneRemote

Controlling a non-B&O TV using the OneRemote RMB4 modified Beo4 requires the user to be familiar with the original remote control as described in the TV's user manual.

A Beo4 remote control is not equipped with as many keys as found in most other remotes. But by combining specific key entries on the OneRemote RMB4 a suitable control layout has been developed.

The Beo4 Navi model introduces new keys, making it easier to create a control layout closer to the TV's original one. Thus there are two different control layouts for the OneRemote modified Beo4.

## Coloured Function Keys

To ease the access to more important control functions the control priority for the coloured function keys has been changed to a lower level, i.e. a level where one command requires dual successive key entries. Thus an original "colour" command requires the  key to be pressed prior to the coloured key itself. The key has been "shifted" with a .

This change of priority is used in all modified Beo4 except for the Beo4 Navi, where it is not necessary.

New functions have been assigned to the coloured keys in the direct mode. Most often as follows:

	Guide, EPG or similar.
	Back, Backup, Return or similar.
	Programme zapping. P+ / P- , Channel up/ down or CH+ / CH-.

*When in Beo4 Navi mode, the coloured keys are not shifted.  
Refer to the conversion tables on page 7 and 8.*

## GO, Joystick or STOP Shifted Controls

Some of the OneRemote RMB4 keys are found in two or three control sequences and shifted by pressing a  or  key prior to the key itself.

In case of Beo4 Navi a **PLAY** key, not found on older generations of Beo4, replaces the  key, when in 'mode 2'. In mode 2 the OneRemote RMB4 converter uses the Joystick key for shifting instead of  . Refer to page 8.

Keys that have been assigned secondary functions are listed in the control tables on page 7 and 8.

## Programme Stepping, Up/ Down Manoeuvring in Menus.

Most set top boxes and TVs have 4 arrow keys for manoeuvring in on-screen menus, up, down, left and right. In addition to these keys they are also equipped with separate programme stepping keys for zapping through the programmes. Often these keys are named P+, P-, CH+ or CH-. This is also the case for a Samsung TV.

OneRemote converter often use the and the keys for programme zapping. This way the four up, down, left and right keys are free for manoeuvring in on-screen menus.

*Note.*

*With a Beo4 Navi in mode 2, manoeuvring in on-screen menus is carried out by the 'joy-stick', not available on previous Beo4 models.*

*Thus the coloured keys on a Beo4 Navi in 'mode 2' have NOT been shifted.*

## Setting the Zap Mode Option

If the OneRemote converter is installed in a Beo4 with a key, the keys and are used for programme stepping. The and keys are used to manoeuvre up and down in on-screen menus. This is the default factory setting, as described above.

If you prefer this control layout changed enter the options listed below.

**Selecting the Zap Mode Keys:**

*Enter one of these 2 option sequences within 10 seconds to set the preferred Programme Zap mode keys.*

**LIGHT MENU STOP 9 0 ●**

*The and keys are used for programme zapping.*

**LIGHT MENU STOP 9 1 ●**

*The & keys are used for programme zapping.*

## Disabling and Dual TV Options

The OneRemote RMB4 converter in the modified Beo4 remote control can be enabled or disabled using below options. When disabled the Beo4 remote control operates as a non-modified Beo4.

In DUAL TV-mode the OneRemote RMB4 converter allows for control of both a Bang & Olufsen TV and the Samsung tv for which it was designed.

### Disabling and Dual TV Modes:

*Enter one of these 3 option sequences within 10 seconds to set the preferred mode.*

**LIGHT MENU STOP | 2 | 0 | ●**

*Disables the OneRemote converter.*

**LIGHT MENU STOP | 2 | 1 | ●**

*Enables the OneRemote converter.*

**LIGHT MENU STOP | 2 | 2 | ●**

*Enables the OneRemote converter in Dual TV mode.*

*In this mode:*

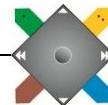
**TV + 1** starts control of a B&O TV.

**TV + 2** starts control of the Samsung TV

Control Table for Beo4 with a  Key.



– or Beo4 Type 1710 in mode 2.



### Everyday Control

 Turns on the TV  
 Turns off the TV

  Enter

   
  Manoeuvring in on-screen menus.  
Manoeuvring in on-screen menus.

 \*1\*2 Prog + *TTV page+*  
 \*1\*2 Prog - *TTV page -*  
 \*1\*2 Guide  
 \*1\*2 Return *TTV Hold*

 Exit  
  Menu *TTV Index*  
  Source

\*1 The up/ down arrow controls may be exchanged with the blue and yellow keys. See page 6.

\*2 As the direct function of the coloured function keys has been assigned to other functions, these have to be preceded with a  to retrieve the actual coloured function.

  Green function  
  Yellow function  
  Red function  
  Blue function

### Text TV Control

  Text TV On/ Mix  
Text TV Off

### Playback Controls

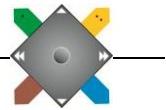
 Play press 1 sec.  
  Stop  
  Pause  
  
  /  Rew/ FF  
 Record

### Other Controls

  1	Tools
  2	Mediaplay
  3	Info <i>TTV Show</i>
  4	CH list <i>TTV Size</i>
  5	Content
  6	Subtitle
  7	Internet
  9	3D
  AD	AD

### Special/ Alternative Controls

  0	Play
  8	Record
  Options	

Control Table for Beo4 with a Joystick type 1710 without a  Key in mode 1 or 3

This table shows the converted keys for a OneRemote RMB4 converter installed in a Beo4 Navi type remote control. Beo4 Navi has a joystick (  ) instead of the  key. This joystick adds 8 extra control possibilities, as it can be moved forward, backwards and to the sides.

In the table these functions are shown like this: 

**Joystick operations:**

-  Pressing the Joystick down once.
-   Pressing the Joystick down twice.
-  Pushing the Joystick upwards.

If your Beo4 has a  key, refer to the table on page 7.

If your Beo4 is a Navi type and the Navi key has **not** been enabled (mode2), refer to the table on page 7.

**Everyday Control**

**TV**  
 Turns on the TV  
 Turns off the TV

  Enter

**BACK**  
 - short press: **Return**  
 - long press: **Exit**

**MENU**  
 **MENU** Menu *TTV Index*  
 Source listing

  CH+ / CH-  
 Prev. channel  
 Guide

  Tools *TTV Size*  
  CH list *TTV Hide*  
  FAV

  Options  
  Internet  
  info *TTV Show*  
  3D

 Yellow key  
 Blue key  
 Green key  
 Red key

**Text TV Control**

**TEXT**  
**TV**  
 Text TV On/Mix  
 Text TV Off

**Playback Controls**

**PLAY**  
**STOP STOP**  
 Play  
 Stop  
  
  Pause  
  Rew  
  FF

**Other Controls**

 **5**  
 **6**  
 **7**  
Content  
Subtitle  
Media Play

**Special/ Alternative Controls**

 **8**  
 **EXIT**  
**STOP EXIT**  
Record  
3D  
AD

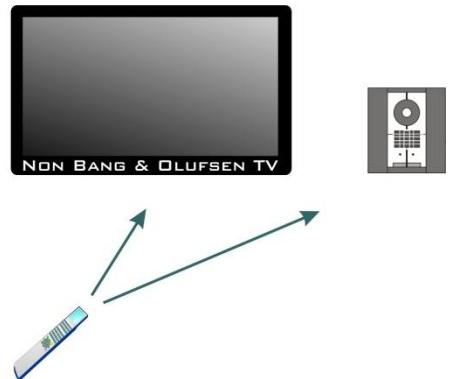
   
   
Navi keys are used for manoeuvring in on-screen menus.

## Setting the OneRemote Volume Option

When the **TV** key is pressed, the Samsung TV is powered up automatically and turned on in the TV mode.

If a Bang & Olufsen audio master is in the room, it is possible to use it for handling the sound. Below options determine how the One Remote RMB4 handles volume in the TV mode.

This option also allows for the power up other B&O devices than the TV, when **TV** is selected. The audio signal from the TV is wired to the audio master using a Line to Datalink cable. Moving the TV sound to the speakers of the audio master improves the sound quality significantly.



Volume Options <i>Enter one of these option sequences within 10 seconds:</i>	Sound Destination	Volume Control
<b>LIGHT MENU STOP 0 0 ●</b>	Volume disabled	<i>No volume control</i>
<b>LIGHT MENU STOP 0 1 ●</b>	The Samsung TV	<i>Samsung format</i>
<b>LIGHT MENU STOP 0 2 ●</b>	<b>AAUX *1</b>	<b>AAUX in B&amp;O format</b>
<b>LIGHT MENU STOP 0 3 ●</b>	<b>PC *2</b>	<b>PC in B&amp;O format</b>
<b>LIGHT MENU STOP 0 4 ●</b>	<b>AAUX + 6 *3</b>	<b>AAUX in B&amp;O format</b>
<b>LIGHT MENU STOP 0 5 ●</b>	<b>AAUX + 7 *3</b>	<b>AAUX in B&amp;O format</b>
<b>LIGHT MENU STOP 0 6 ●</b>	<b>TV *4</b>	<b>TV in B&amp;O format</b>
<b>LIGHT MENU STOP 0 7 ●</b>	Bose 1SR *5	<i>Samsung/ Bose 1SR</i>

\*1 When **TV** is pressed the Beo4 it sends a Power On command to the TV. At the same time the Beo4 sends a **AAUX** command to a Bang & Olufsen audio master. Until another source is selected, volume commands will be directed to the B&O audio master.

\*2 When **TV** is pressed the Beo4 sends a Power On command to the TV. At the same the Beo4 sends a **PC** command to a Bang & Olufsen system. Until another source is selected, volume commands will be directed to the B&O system. Via a BeoLink Active sound may be moved from the TV to PowerLink speakers.

\*3 When **TV** is pressed the Beo4 it sends a Power On command to the TV. At the same the Beo4 sends a **AAUX + 6** or **7** command to a Bang & Olufsen linksystem. Until another source is selected, volume commands will be directed to the B&O linksystem.

\*4 When **TV** is pressed the Beo4 sends a Power On command to the TV. At the same the Beo4 sends a **TV** command to a Bang & Olufsen linksystem. Until another source is selected, volume commands will be directed to the B&O linksystem. Via a BeoLink Converter sound may be moved from & Olufsen audio master via its MasterLink input.

\*5 Bose 1SR option.

When **TV** is pressed the Beo4 sends a Power On command to the TV.

When **GO TV** is pressed the Beo4 sends a Power On/ off command to a Bose 1SR Speaker system.

Until another source is selected, volume commands will be formatted for a Bose 1SR Speaker system.

The speakers in the Samsung TV can be disabled in the setup menu of the TV.

## The Lava Wallmount Option

A OneRemote converter **30012644** for Lava TV motorized wallmount, operates on the TV and Standby command of a Bang & Olufsen remote control. As this converter converts these commands to operate a Samsung TV, it is necessary to send both the unconverted B&O data for these operations and the converted for the TV.

### Lava TV Wallmount option

*Enter one of these option sequences within 10 seconds:*

LIGHT	MENU	STOP	4	0	●	Lava TV Wallmount mode disabled
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LIGHT	MENU	STOP	4	1	●	Lava TVWallmount enabled.
-------	------	------	---	---	---	---------------------------

## The VMEM / VTAPE Key Option

On the OneRemote modified Beo4 remote control the VMEM key can be programmed to open a specific source on the Samsung TV.

### VMEM/ VTAPE Options

*Enter one of these option sequences within 10 seconds to select the source on the Samsung TV that shall be selected with the VMEM or VTAPE key.*

LIGHT	MENU	VMEM	0	1	●	No new source selected.
-------	------	------	---	---	---	-------------------------

LIGHT	MENU	VMEM	1	1	●	The AV1 socket on the TV is opened.
-------	------	------	---	---	---	-------------------------------------

LIGHT	MENU	VMEM	2	1	●	The AV2 socket on the TV is opened.
-------	------	------	---	---	---	-------------------------------------

LIGHT	MENU	VMEM	3	1	●	The DTV tuner on the TV is opened.
-------	------	------	---	---	---	------------------------------------

LIGHT	MENU	VMEM	4	1	●	The Component 1 socket is shifted to.
-------	------	------	---	---	---	---------------------------------------

LIGHT	MENU	VMEM	5	1	●	The Component 2 socket is accessed.
-------	------	------	---	---	---	-------------------------------------

LIGHT	MENU	VMEM	6	1	●	The HDMI 1 socket is accessed.
-------	------	------	---	---	---	--------------------------------

LIGHT	MENU	VMEM	7	1	●	The HDMI 2 socket is accessed.
-------	------	------	---	---	---	--------------------------------

LIGHT	MENU	VMEM	8	1	●	S-VHS 1
-------	------	------	---	---	---	---------

LIGHT	MENU	VMEM	9	1	●	USB Wiselink
-------	------	------	---	---	---	--------------

*As the OneRemote RMB4 converter is able to operate many different TV models, some sources in above table might not be available on your TV. The only way to find out, if the TV accepts these codes, is testing each of the options.*

*If a source is not accessible using one of these options, it must be accessed as when using the TV's original remote control. Using the source key.*

*Note. If the digit **1** is replaced by a **2**, all control commands are transmitted in the Bang & Olufsen format.*

## The DTV/ SAT Key Option

On the OneRemote modified Beo4 remote control the DTV/SAT key can be programmed to open a specific source on the Samsung TV.

### DTV/ SAT Options

*Enter one of these option sequences within 10 seconds to select the source on the Samsung TV that shall be selected with the DTV/ SAT key.*

LIGHT   MENU   DTV   0   1   ●	No new source selected.
LIGHT   MENU   DTV   1   1   ●	The AV1 socket on the TV is opened.
LIGHT   MENU   DTV   2   1   ●	The AV2 socket on the TV is opened.
LIGHT   MENU   DTV   3   1   ●	The DTV tuner on the TV is opened.
LIGHT   MENU   DTV   4   1   ●	The Component 1 socket is shifted to.
LIGHT   MENU   DTV   5   1   ●	The Component 2 socket is accessed.
LIGHT   MENU   DTV   6   1   ●	The HDMI 1 socket is accessed.
LIGHT   MENU   DTV   7   1   ●	The HDMI 2 socket is accessed.
LIGHT   MENU   DTV   8   1   ●	S-VHS 1
LIGHT   MENU   DTV   9   1   ●	USB Wiselink

As the OneRemote RMB4 converter is able to operate many different TV models, some sources in above table might not be available on your TV. The only way to find out, if the TV accepts these codes, is testing each of the options.

If a source is not accessible using one of these options, it must be accessed as when using the TV's original remote control. Using the source key.

Note. If the digit **1** is replaced by a **2**, all control commands are transmitted in the Bang & Olufsen format.

## The DVD Key Option

On the OneRemote modified Beo4 remote control the DVD key can be programmed to open a specific source on the Samsung TV.

### DVD Options

*Enter one of these option sequences within 10 seconds to select the source on the Samsung TV that shall be selected with the DVD key.*

LIGHT	MENU	DVD	0	1	●	No new source selected.
LIGHT	MENU	DVD	1	1	●	The AV1 socket on the TV is opened.
LIGHT	MENU	DVD	2	1	●	The AV2 socket on the TV is opened.
LIGHT	MENU	DVD	3	1	●	The DTV tuner on the TV is opened.
LIGHT	MENU	DVD	4	1	●	The Component 1 socket is shifted to.
LIGHT	MENU	DVD	5	1	●	The Component 2 socket is accessed.
LIGHT	MENU	DVD	6	1	●	The HDMI 1 socket is accessed.
LIGHT	MENU	DVD	7	1	●	The HDMI 2 socket is accessed.
LIGHT	MENU	DVD	8	1	●	S-VHS 1
LIGHT	MENU	DVD	9	1	●	USB Wiselink

*As the OneRemote RMB4 converter is able to operate many different TV models, some sources in above table might not be available on your TV. The only way to find out, if the TV accepts these options, is testing each of the options.*

*If a source is not accessible using one of these options, it must be accessed as when using the TV's original remote control. Using the source key.*

*Note. If the digit **1** is replaced by a **2**, all control commands are transmitted in the Bang & Olufsen format.*

## The Beo4 VAUX Key Option

On the OneRemote modified Beo4 remote control the VAUX key in the List-menu can be programmed to open a specific source on the Samsung TV.

### VAUX Options

*Enter one of these option sequences within 10 seconds to select the source on the Samsung TV that shall be selected with the VAUX key.*

LIGHT	MENU	VAUX	0	1	●	No new source selected.
LIGHT	MENU	VAUX	1	1	●	The AV1 socket on the TV is opened.
LIGHT	MENU	VAUX	2	1	●	The AV2 socket on the TV is opened.
LIGHT	MENU	VAUX	3	1	●	The DTV tuner on the TV is opened.
LIGHT	MENU	VAUX	4	1	●	The Component 1 socket is shifted to.
LIGHT	MENU	VAUX	5	1	●	The Component 2 socket is accessed.
LIGHT	MENU	VAUX	6	1	●	The HDMI 1 socket is accessed.
LIGHT	MENU	VAUX	7	1	●	The HDMI 2 socket is accessed.
LIGHT	MENU	VAUX	8	1	●	S-VHS 1
LIGHT	MENU	VAUX	9	1	●	USB Wiselink

*As the OneRemote RMB4 converter is able to operate many different TV models, some sources in above table might not be available on your TV. The only way to find out, if the TV accepts these codes, is testing each of the options.*

*If a source is not accessible using one of these options, it must be accessed as when using the TV's original remote control. Using the source key.*

*Note. If the digit **1** is replaced by a **2**, all control commands are transmitted in the Bang & Olufsen format.*